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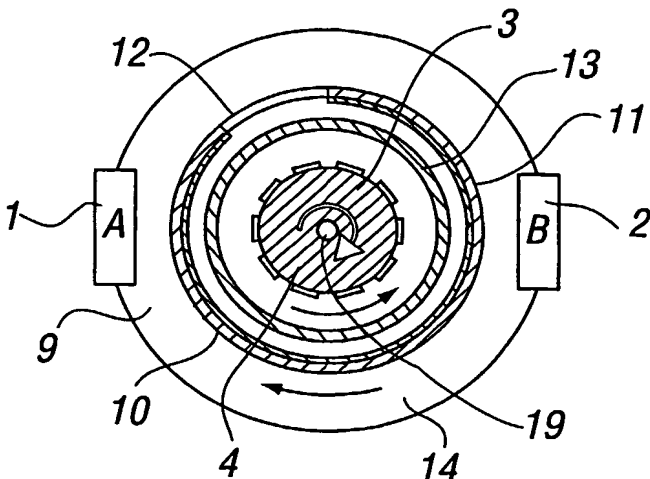
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(54) Title: A METHOD FOR DEPOSITING MULTILAYER COATINGS



(57) **Abstract:** The invention relates to a method and apparatus for the generation of multilayered coatings onto substrates. Typically the apparatus used is a closed field unbalanced magnetron configuration in conjunction with one or more cylindrical and rotatable shields and a substrate carrier on which the substrates to be coated are carried. The shields and substrate holder are provided for rotation about a common axis of rotation. The shields are provided with apertures to allow the selective positioning of the apertures to define a passage or passages along which material from the targets can pass onto the substrates. The targets can be cleaned prior to the coating stage by operation of the targets with the shields selectively positioned to prevent the deposited material from reaching the substrates.

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